

Section 1 - Identification of the Material and Supplier

Chemical nature: Ground Limestone
Trade Name: Calrite
Product Use: Soil Conditioner, Correction of Soil Calcium Deficiencies
Supplier: Amgrow Pty Ltd
3/29 Birnie Ave
Lidcombe NSW 2141
Phone: 02 9395 1200 (office hours), Fax: 02 4729 3037
www.amgrow.com.au
This version issued: September 2021 and is valid for 5 years from this date.
Poisons Information Centre: Phone 13 1126 from anywhere in Australia

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Not classified as hazardous according to the criteria of SWA.

Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

Risk Phrases: Not Hazardous - No criteria found.

Safety Phrases: S22, S25, S37, S38. Do not breathe dust. Avoid contact with eyes. Wear suitable gloves. In case of insufficient ventilation, wear suitable respiratory equipment.

SUSMP Classification: None allocated.

ADG Classification: None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

UN Number: None allocated

GHS Signal word: NONE. Not hazardous.

PREVENTION

- P102: Keep out of reach of children.
- P261: Avoid breathing dusts.
- P262: Do not get in eyes, on skin, or on clothing.
- P281: Use personal protective equipment as required.

RESPONSE

- P353: Rinse skin or shower with water.
- P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P370+P378: Not combustible. Use extinguishing media suited to burning materials.

STORAGE

- P402+P404: Store in a dry place. Store in a closed container.

DISPOSAL

- P501: If they cannot be recycled, dispose of contents and containers to landfill (see Section 13 of this SDS).

Emergency Overview

Physical Description & Colour: White granular solid

Odour: No odour.

Major Health Hazards: No significant risk factors have been found for this product.

Section 3 - Composition/Information on Ingredients

<u>Ingredients</u>	<u>CAS No</u>	<u>Conc.</u>	<u>TWA (mg/m³)</u>	<u>STEL (mg/m³)</u>
Calcium Carbonate	471-34-1	approx 98%	not set	not set
Magnesium Carbonate	546-93-0	approx 2%	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

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The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. There is a blanket limit of 10mg/m³ for dusts or mists when limits have not otherwise been established. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: First aid is not generally required. However individuals with pre-existing lung conditions may have increased susceptibility to dust exposure. Remove affected persons to a well ventilated area. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: If product gets on to skin, wash skin to remove material. No further measures should normally be required

Eye Contact: If product gets in to eyes, immediately irrigate with copious amounts of lukewarm, gently flowing water until the product is removed. No further measures should normally be required

Ingestion: Rinse mouth thoroughly with water immediately and give water or milk to drink. . Do not induce vomiting. If more than a small quantity has been swallowed, seek medical assistance. If in doubt contact a Poisons Information Centre or a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Not Combustible. Use extinguishing media suited to burning materials.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition temperature: Not applicable - does not burn.

Flammability Class: Does not burn.

Section 6 - Accidental Release Measures

Accidental release: Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. If there is a significant chance that dusts are likely to build up in the cleanup area, we recommend that you use a respirator.

Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Store in a dry, cool, well-ventilated area – dampness may cause handling difficulty Make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

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Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Exposure Limits **TWA (mg/m³)** **STEL (mg/m³)** **ADI (mg/Kg/day)** **NOEL (mg/Kg/day)**

Exposure limits have not been set for any ingredients in product. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, Dec 2003.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: Avoid high dust concentration and provide local exhaust ventilation where necessary.

Eye Protection: Eye protection such as protective glasses or goggles is recommended

Skin Protection: Wear PVC gloves to prevent skin contact. Wear overall and long sleeves to prevent contact

Respirator: Use P2 type canister respirator where dust is a problem

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	White granular solid
Odour:	No discernible odour
Boiling Point:	N/A
Melting Point:	Decomposes at 825°C
Volatiles:	No data
Vapour Pressure:	No data.
Vapour Density:	No data.
Bulk Density	1.0
Water Solubility:	Immiscible
pH:	No data
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water distribution:	No data
Flash Point	N/A
Auto ignition temp:	Not applicable - does not burn.

Section 10 - Stability and Reactivity

Reactivity: This product is stable under normal temperatures and pressures, when stored and handled in accordance with this MSDS

Conditions to Avoid: Store away from heat or fire, keep away from acids

Incompatibilities: Incompatible with strong oxidising agents, strong acids.

Fire Decomposition: Fire may cause the release of carbon dioxide, calcium oxide.

Polymerisation: This product is unlikely to undergo polymerisation processes.

Section 11 - Toxicological Information

Local Effects:

Target Organs: There is no data to hand indicating any particular target organs.

Toxicity to Animals: Acute oral toxicity (LD50): 6450 mg/kg [Rat].

Chronic Potential Health Effects:

Chronic ingestion may affect kidneys, and may cause hypocalcaemia with alkalosis.

Potential Health Effects

Inhalation: Available data indicates that this product should present no significant problems to typical persons if used as directed. Dust may be slightly irritating to upper respiratory tract although significant inhalation exposure is considered to be unlikely.

Skin Contact: Available data indicates that this product should present no significant problems to typical persons if used as directed but may cause dryness of the skin with repeated contact.

Eye Contact: May be Irritative by mechanical abrasion. Repeated or prolonged exposure may produce conjunctivitis

Ingestion: Available data indicates that this product should present no significant problems to typical persons if used as directed – may be irritating to throat due to texture

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

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Classification of Hazardous Ingredients

Ingredient Risk Phrases
 No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations.

Section 12 - Ecological Information

Practically non toxic to aquatic organisms or land animals, not significantly hazardous for the environment
 Effects on Aquatic Organisms: No data available

ENVIRONMENTAL FATE

Breakdown of Chemical in Soil & Groundwater: Inert product in normal environmental conditions.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely.

Section 13 - Disposal Considerations

Disposal: This product is a soil conditioner and may be distributed on agricultural land. If no agricultural land is available, collect in sealed containers and dispose in accordance with EPA guidelines

Section 14 - Transport Information

This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

AICS: This product is compliant with NICNAS regulations.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail	IMDG	International Maritime Dangerous Good
AICS	Australian Inventory of Chemical Substances	IMSBC	International Maritime Solid Bulk Code
CAS number	Chemical Abstracts Service Registry Number	NTP	National Toxicology Program (USA)
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters	SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
IARC	International Agency for Research on Cancer	SWA	Safe Work Australia (formerly ASCC and NOHSC)
IATA	International Air Transport Authority	UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product. This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)

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SAFETY DATA SHEET